

ABSTRACT OF THE DISCLOSURE

An electrode assembly and a method of forming an anhydrous reservoir layer of an electrode assembly in an electrotransport transdermal agent delivery device are provided. The reservoir layer is adapted to be placed in agent-transmitting relation with a body surface and an electrode in electrical contact with a power source and the reservoir layer. The method includes the steps of dissolving a beneficial agent in a solvent, applying the solvent and dissolved beneficial agent to a surface of a hydrophilic polymer filtration membrane, removing the solvent from the surface of the filtration membrane, and disposing the beneficial agent/filtration membrane within the electrode assembly.